

Sequence listing

<110> OncoMab GmbH

<120> Human monoclonal antibody

<150> EP - 03 026 161.4

<151> 2003-11-14

<160> 4

<210> 1

<211> 96

<212> DNA

<213> Homo sapiens

<220>

<223> Amino acid sequence of the variable region of the light chain (V_L) of antibody SAM-6

<400> 1

Ser	Tyr	Val	Leu	Thr	Gln	Pro	Pro	Ser	Val	Ser	Val	Ser	Pro	Gly
1				5				10						15

Gln	Thr	Ala	Ser	Ile	Thr	Cys	Ser	Gly	Asp	Lys	Leu	Gly	Asp	Lys
				20				25						30

Tyr	Ala	Cys	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ser	Pro	Val	Leu
				35				40						45

Val	Ile	Tyr	Gln	Asp	Ser	Lys	Arg	Pro	Ser	Gly	Ile	Pro	Glu	Arg
				50				55						60

Phe	Ser	Gly	Ser	Asn	Ser	Gly	Asn	Thr	Ala	Thr	Leu	Thr	Ile	Ser
				65				70						75

Gly	Thr	Gln	Ala	Met	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Gln	Ala	Trp
				80				85						90

Asp	Ser	Ser	Ile	Val	Val
				95	

<210> 2

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<223> Nucleotide sequence of the variable region of the light chain (V_L) of antibody SAM-6

<400> 2

tcc tat gtg ctg act cag cca ccc tca gtg tcc gtg tcc cca gga	45
Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly	
1 5 10 15	
CDR1	
cag aca gcc agc atc acc tgc tct gga gat aaa ttg ggg gat aaa	90
Gln Thr Ala Ser Ile Thr Cys Ser Gly Asp Lys Leu Gly Asp Lys	
20 25 30	
tat gct tgc tgg tat cag cag aag cca ggc cag tcc cct gtg ctg	135
Tyr Ala Cys Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu	
35 40 45	
CDR2	
gtc atc tat caa gat agc aag cgg ccc tca ggg atc cct gag cga	180
Val Ile Tyr Gln Asp Ser Lys Arg Pro Ser Gly Ile Pro Glu Arg	
50 55 60	
ttc tct ggc tcc aac tct ggg aac aca gcc act ctg acc atc agc	225
Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser	
65 70 75	
ggg acc cag gct atg gat gag gct gac tat tac tgt cag gcg tgg	270
Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp	
80 85 90	
CDR3	
gac agc agc att gtg gta	288
Asp Ser Ser Ile Val Val	
95	

<210> 3

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<223> Amino acid sequence of the variable region of the heavy chain (V_H) of antibody SAM-6

<400> 3

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly
1 5 10 15

Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
20 25 30

Ser Tyr Ala Met His Trp Val Arg Glu Ala Pro Gly Lys Gly Leu
35 40 45

Glu Trp Val Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr
50 55 60

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
65 70 75

Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
80 85 90

Thr Ala Val Tyr Tyr Cys Ala Arg Asp Arg Leu Ala Val Ala Gly
95 100 105

Lys Thr Phe Asp Tyr
110

$\langle 211 \rangle$ 330

<212> DNA

<213>.Homo sapiens

 $\langle 220 \rangle$

<223> Nucleotide sequence of the variable region of the heavy chain (V_H) of antibody SAM-6

<400> 4

cag gtg cag ctg gtg gag tct ggg gga ggc gtg gtc cag cct ggg 45
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly
1 5 10 15

agg tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttc agt 90
Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
20 25 30

CDR1

agc tat gct atg cac tgg gtc cgc cag gct cca ggc aag ggg ctg 135
 Ser Tyr Ala Met His Trp Val Arg Glu Ala Pro Gly Lys Gly Leu
 35 40 45

CDR2

gag tgg gtg gca gtt ata tca tat gat gga agc aat aaa tac tac 180
Glu Trp Val Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr
50 55 60

gca gac tcc gtg aag ggc cga ttc acc atc tcc aga gac aat tcc 225
Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
65 70 75

aag aac acg ctg tat ctg caa atg aac agc ctg aga gct gag gac 270
Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
80 85 90

CDR3

acg gct gtg tat tac tgt gcg aga gat cgg tta gca gtg gct ggt 315
 Thr Ala Val Tyr Tyr Cys Ala Arg Asp Arg Leu Ala Val Ala Gly
 95 100 105

aaa act ttt gac tac
Lys Thr Phe Asp Tyr
110